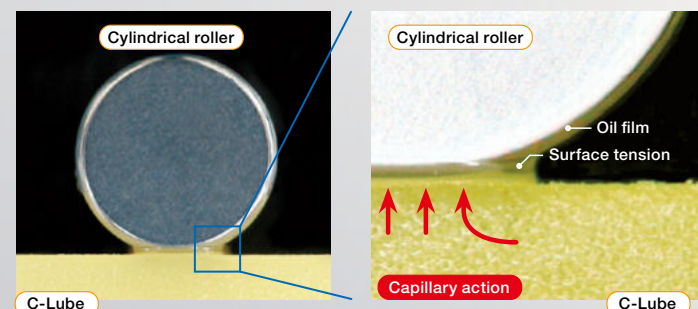


IKO Technology

High Quality, High Performance Products Manufactured by **IKO**
IKO Unique and Innovative Technology:

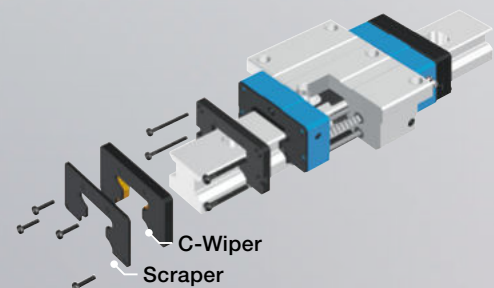
C-Lube Technology

"C-Lube", **IKO**'s innovative and unique lubrication system utilizes the capillary action of the lubricant to significantly reduce the amount of lubricant required and provide effective maintenance-free performance. All **IKO** C-Lube products have minimal impact on the environment and provide superior reliability.



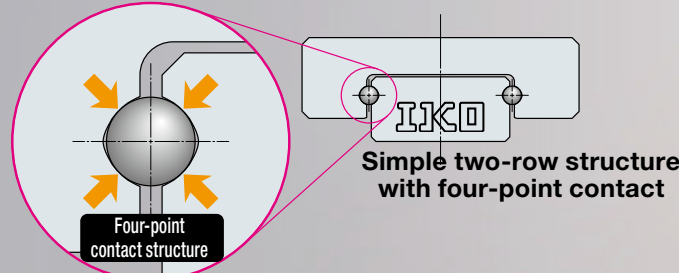
Contamination Protection

IKO offers many options for protection from contamination such as wipers, metallic scrapers, underseals and double seals.



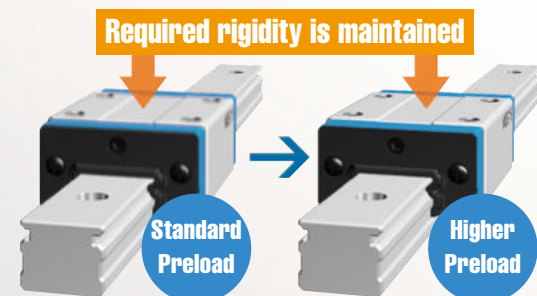
Compact Design

Simple structure and proprietary miniature technology result in assemblies with the smallest footprint. Even our extremely small products feature **IKO**'s signature high quality and high performance.



Interchangeability

IKO's unique high precision machining technology and strict dimensional management of slide units and track rails make most linear guides available as interchangeable units. Mixing and matching rails and slide units allow for easy installation and maintenance while maintaining rigidity and accuracy.



Roller Technology

In comparison with ball-type bearings, rollers experience minimal elastic deformation when under load. **IKO** linear rolling guides take advantage of these characteristics and combine smooth operation with high reliability, high rigidity, and high accuracy.

[Roller type] **MXG45** [Ball type] **MHG45**



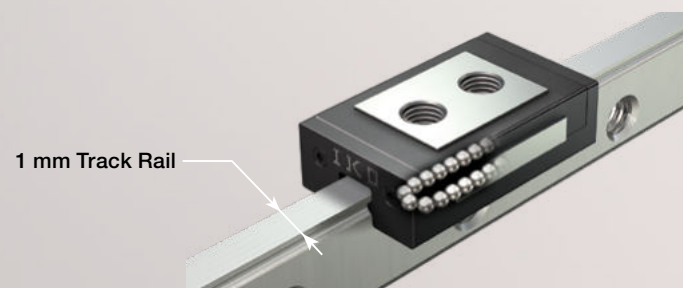
$C = 124\,000\text{ N}$
 $C_0 = 223\,000\text{ N}$

$C = 95\,200\text{ N}$
 $C_0 = 114\,000\text{ N}$

C = Basic dynamic load rating
 C_0 = Basic static load rating

Miniature Linear Ways

IKO Micro linear way combines superior rigidity and accuracy in a miniature package. A wide variety of track rail widths (from as small as 1 mm) are available for even the most demanding micro positioning mechanisms.



IKO

Innovation, Know-how & Originality

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Silicon Valley

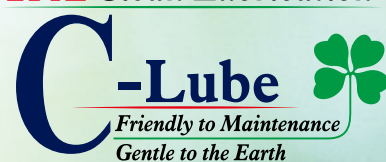
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Nippon Thompson Co., Ltd. is proud to be recognized as a leader in sustainability and environmental protection. We are committed to developing products that make our customer's machinery and equipment more reliable, thereby protecting the environment from unnecessary waste.

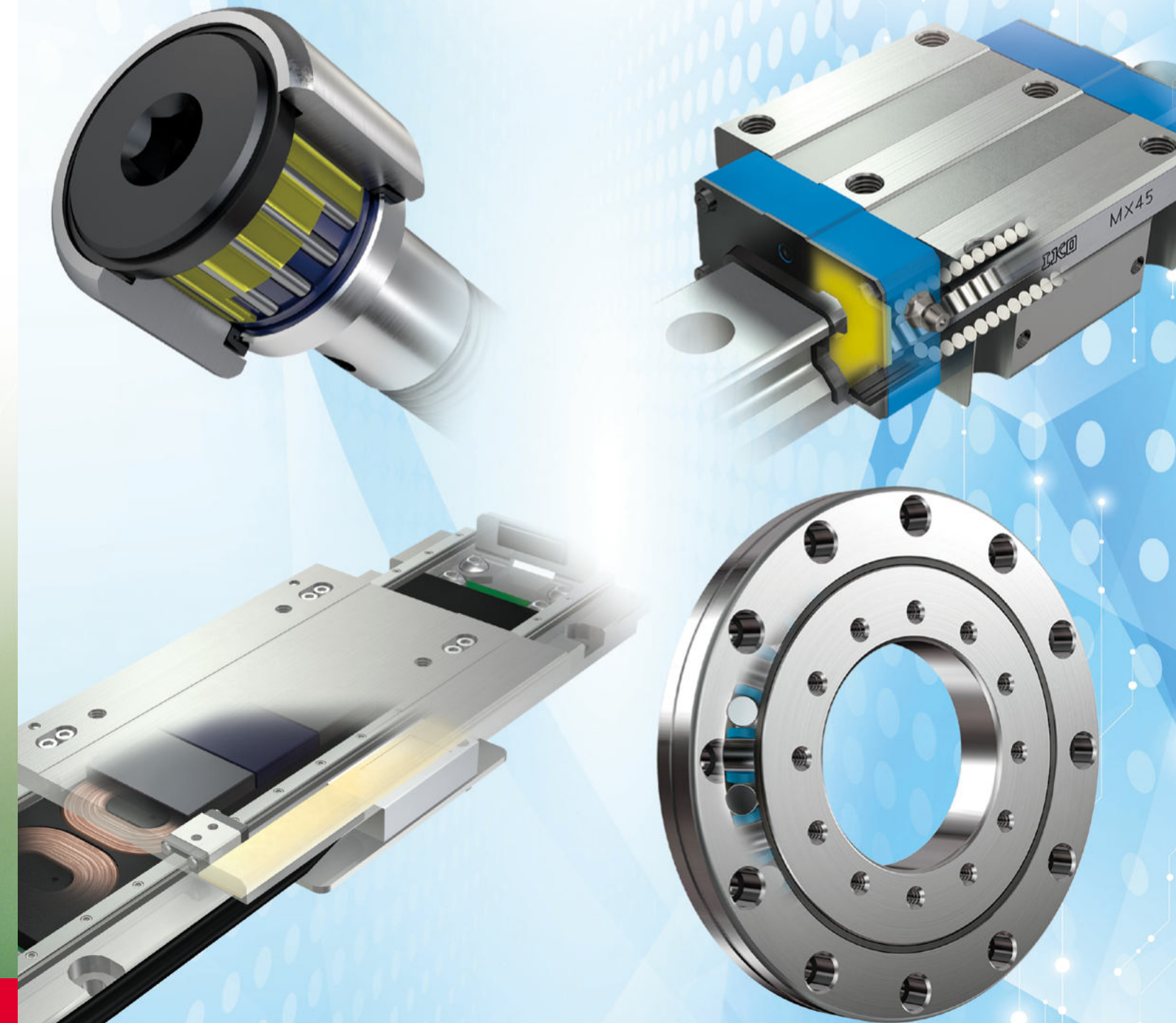
Innovative **IKO** products like "C-Lube" and our ISO14001 certification can be seen as prime examples of our commitment to minimize our impact on the global environment.

IKO Clean Lubrication



IKO

experts in
MOTION





Linear Motion Rolling Guide Series

Linear Motion Series: A wide variety of models and sizes

- Ball and roller type endless linear motion guides range from size 1 (1 mm) to size 100 (100 mm), and limited linear motion crossed roller ways from size 1 (1 mm) to size 24 (24 mm). Other models and sizes of limited linear motion guides and limited linear + rotary motion guides are also available.
- Standard or high rigidity and high precision, anti-creep roller cage, stainless steel, and other options are available for Cross Roller Ways for use within semiconductors, electronics, medical, biomedical, robotics, automation, industrial, machine tool, automotive, and many other applications.
- Optional integrated C-Lube lubrication system, which provides long-term, maintenance-free operation, is available for endless linear motion guides.



ML / LWL
Miniature Type C-Lube Linear Way



MX / LRX
C-Lube Linear Roller Way



MAG / LSAG
C-Lube Linear Ball Spline



CRW(G) / CRWU(G)
Crossed Roller Way



CRWU...R(S)
Crossed Roller Way Unit



CRWM
Module Type Crossed Roller Way



ME / LWE MH / LWH
C-Lube Linear Way



MV
Compact C-Lube Linear Way with High Load Capacity



MUL / LWU
C-Lube Linear Way with U-Shaped Track Rail



BWU
High Rigidity Precision Ball Slide



BSP / BSPG
Precision Linear Slide



STSI
Miniature Stroke Rotary Bushing



Precision Positioning Table Series

Precision Positioning Series: A wide variety of linear, rotary, and multi-axis actuators

- Options for several different driving mechanisms include ball screw, linear motor and high-resolution encoder, belt, or worm gear, which are combined with IKO linear and/or rotary bearings to create actuators that can accommodate an extensive range of solutions.
- The noteworthy NT Nano Series offers ultra-compact construction with an integrated direct drive linear motor and a high-resolution linear encoder for exceptional dynamics and positioning performance.
- Cleanroom compatible actuators are available standard as are many options and accessories such as shape and/or length of moving table, number of moving tables, integrated C-Lube linear guides, servo or stepper motors, couplings, bellows or cover protection, motor folding back kit (in-parallel), sensors, and more.



NT
Ultra-compact Linear Motor Table



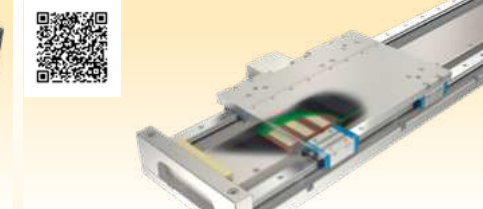
TE
Low Profile Positioning Table



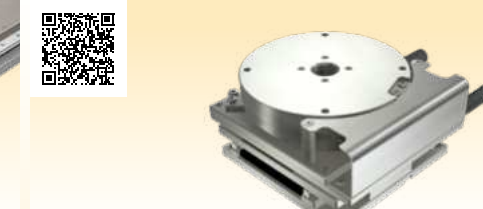
TU
Standard Precision Positioning Table



TSL...M
Long Stroke Precision Positioning Table



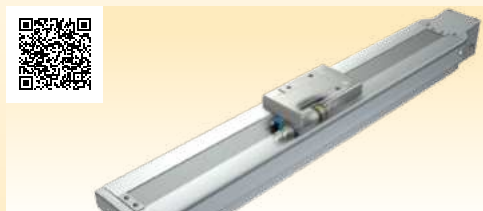
LT
Long Stroke Linear Motor Table



SA...DE
Linear Motor Rotary Table



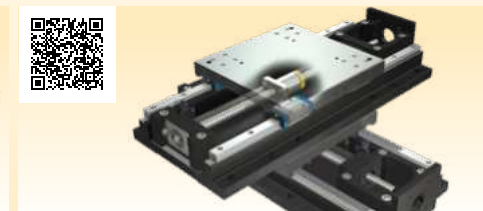
TM
Miniature Table



TC...EB
Cleanroom Precision Positioning Table



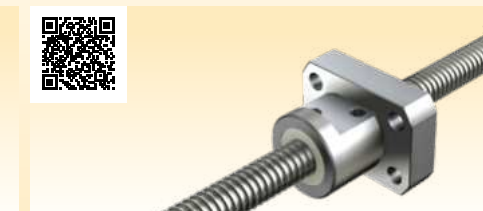
TX...M
High Rigidity Precision Positioning Table



CTLH
High Rigidity X-Y Stage



TZ
Precision Elevating Table



Ball Screws
High-Performance Precision Ball Screw



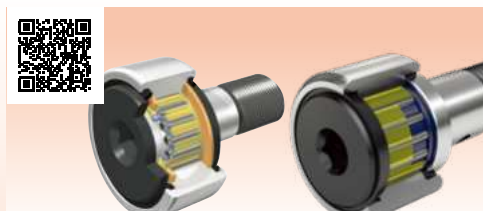
Rotary Bearing Series

Rotary motion series: A wide variety of types and sizes

- Highly rigid, high-load capacity Crossed Roller Bearings accept simultaneous loading from any direction and can be easily mounted with integrated mounting flanges, making them one of the lowest-cost precision joints.
- Compact, lightweight shell-type needle roller bearing options are available that reduce overall machine size, and larger, heavier-duty machined-type needle roller and roller bearing options for higher load capacity and rigidity.
- Other types of bearings include various cam followers, stud-less roller followers, spherical plain bushings, rod ends, thrust bearings and washers, needle roller cages, inner and outer rings, combined type needle roller bearings, and several C-lube maintenance-free products.



CRBF
Crossed Roller Bearings with Mounting Holes



CF...WB.../SG
C-Lube Cam Follower



NTB
Thrust Needle Roller Bearings



NART
Non-separable Roller Followers



KT
Needle Roller Cages



POS / PHS
Rod End / Pillowball



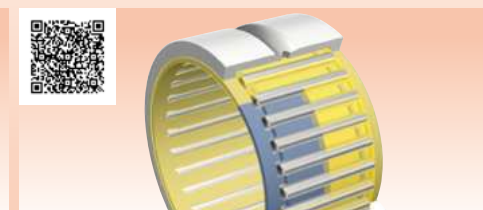
CRB / CRBH / CRBS / CRBT
Cross Roller Bearing



CF / CFKR
Standard Cam Follower



NAX
Combined Type Needle Roller Bearings



TAF.../SG
C-Lube Bearings



TA / BR / RNA
Machined and Shell-type Needle Bearing



GE / SBB
Spherical Bushing